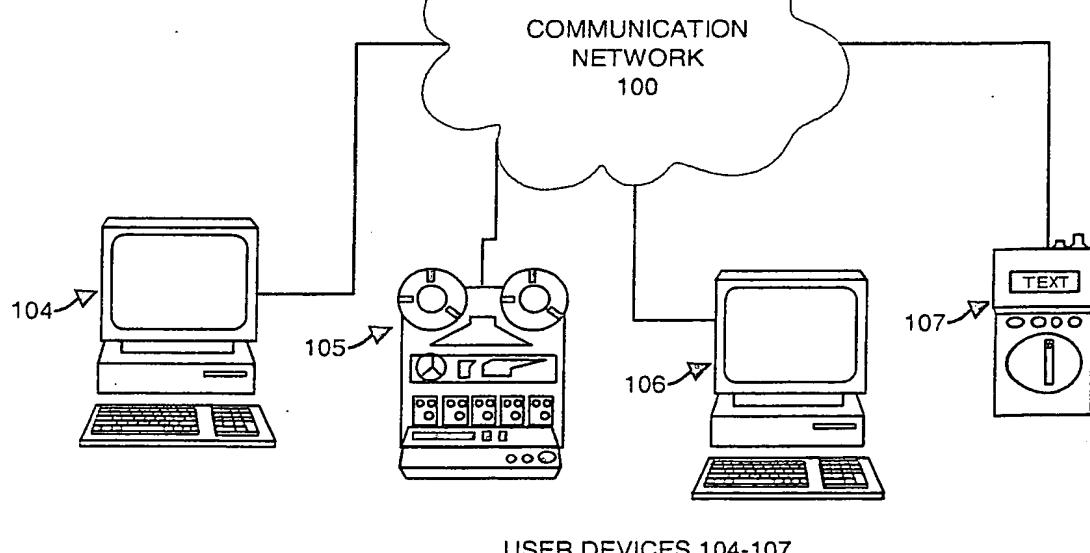


FIG. 1



USER DEVICES 104-107

FIG. 1

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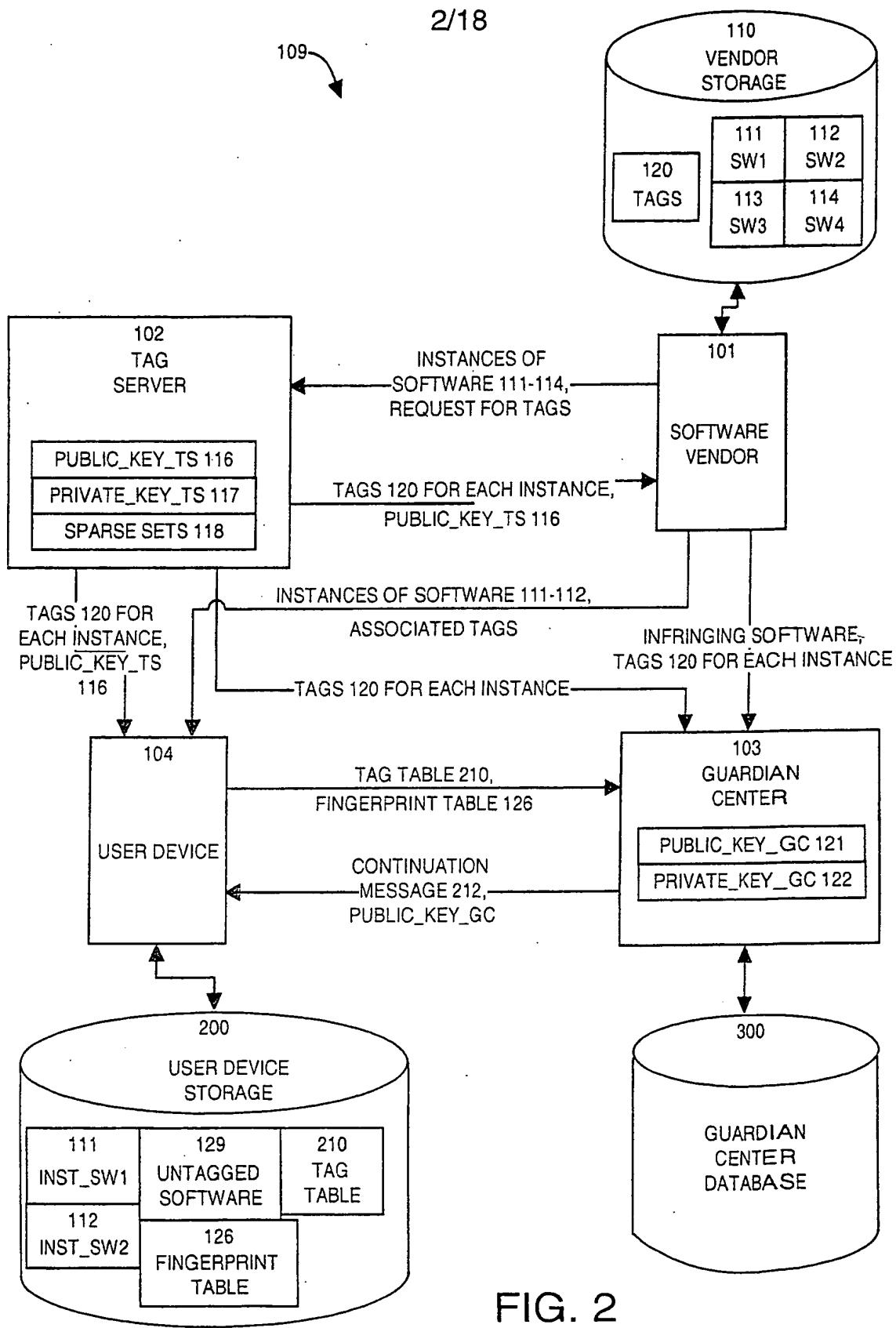
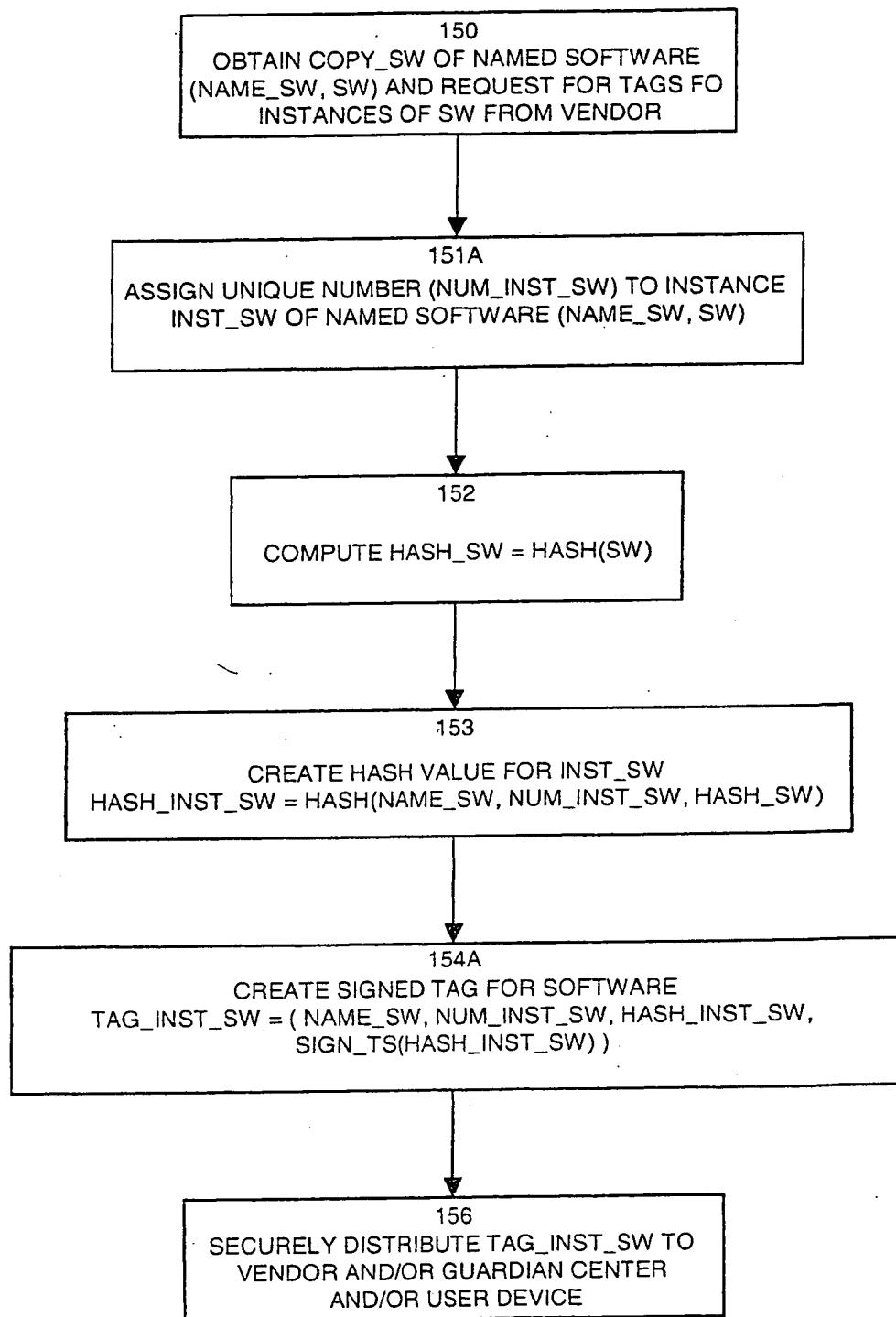


FIG. 2

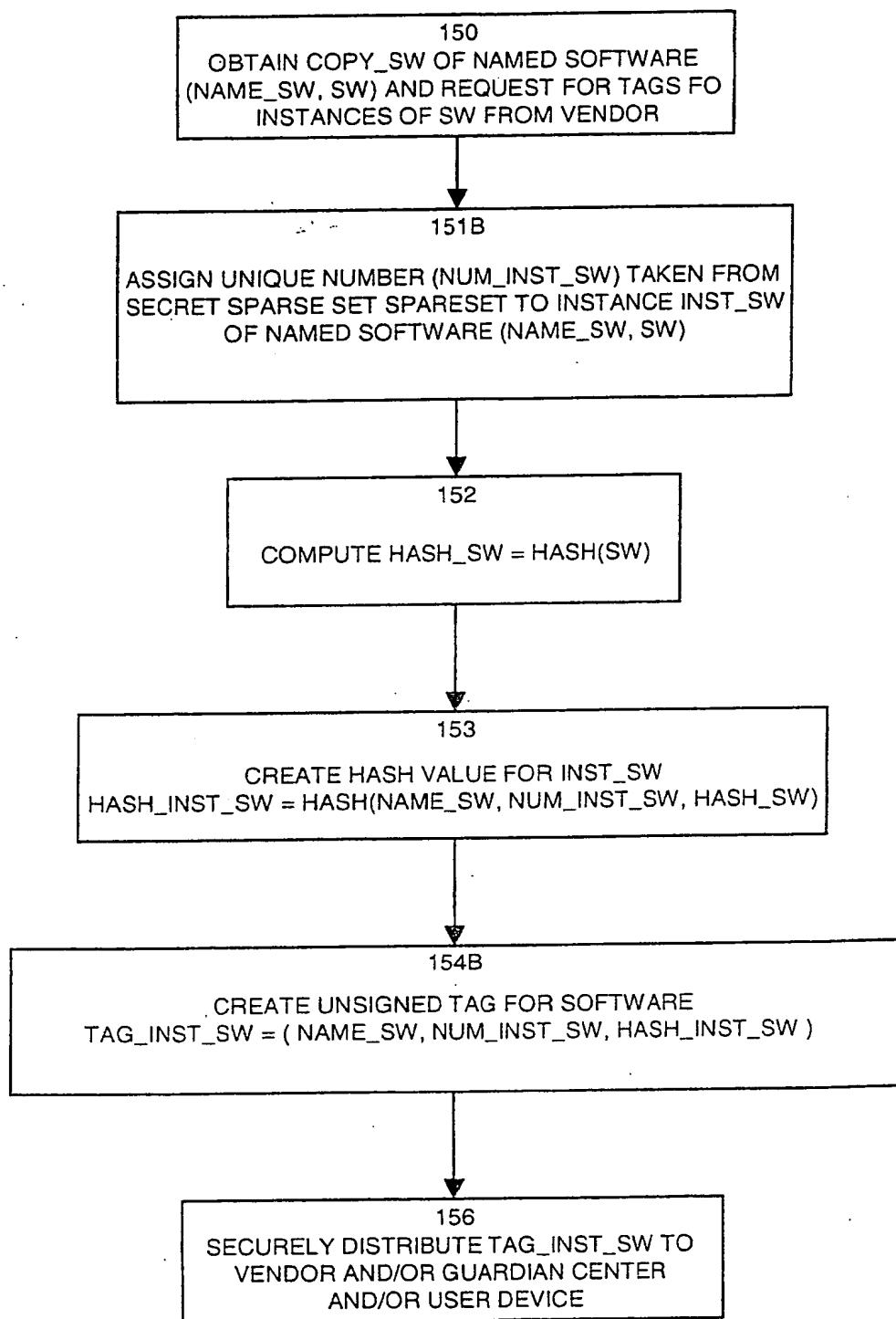
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SIGNED TAG CREATION BY TAG SERVER

FIG. 3A

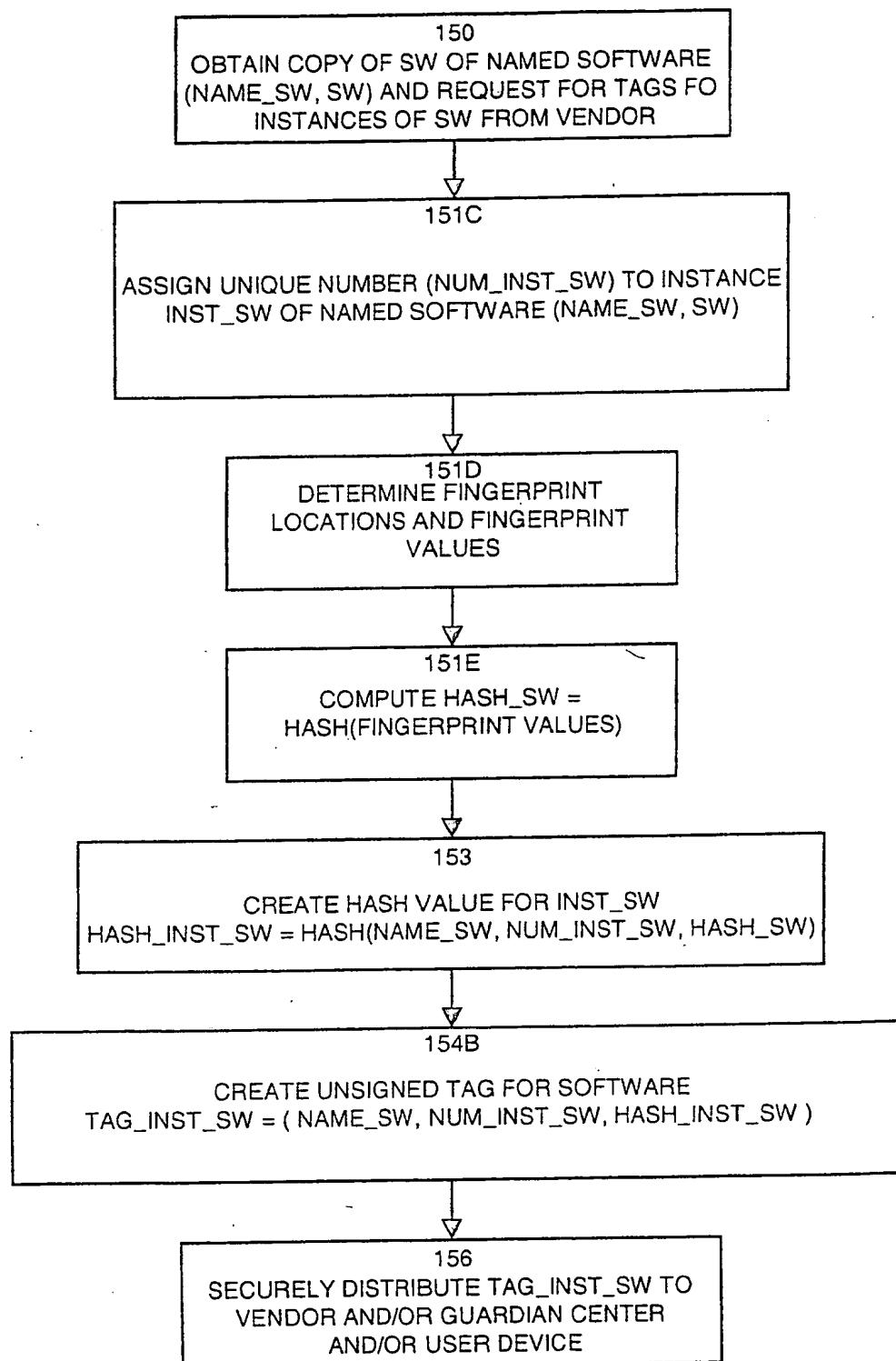
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UNSIGNED TAG CREATION BY TAG SERVER

FIG. 3B

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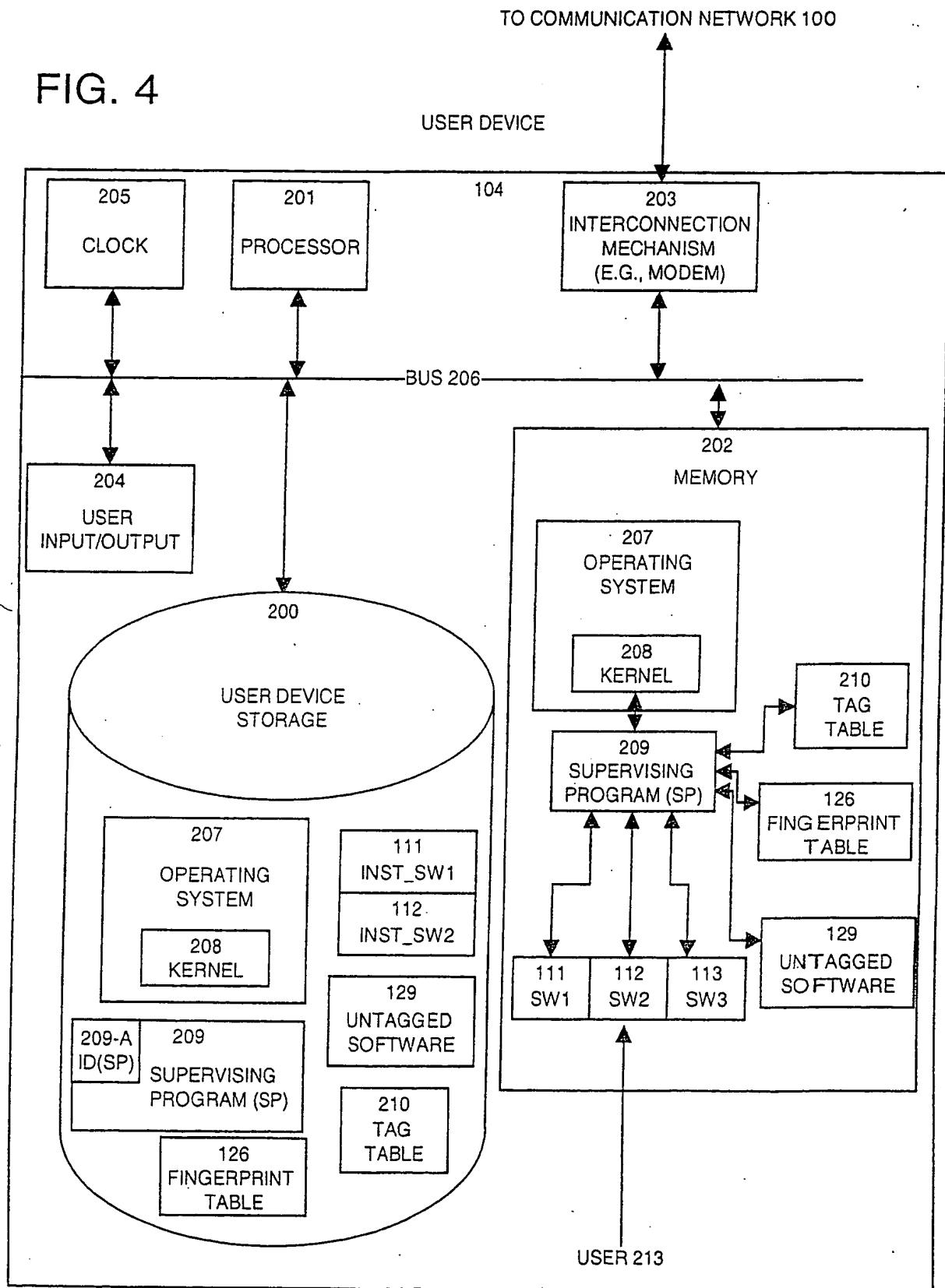


TAG CREATION USING SAME LOCATION FINGERPRINTING BY TAG SERVER

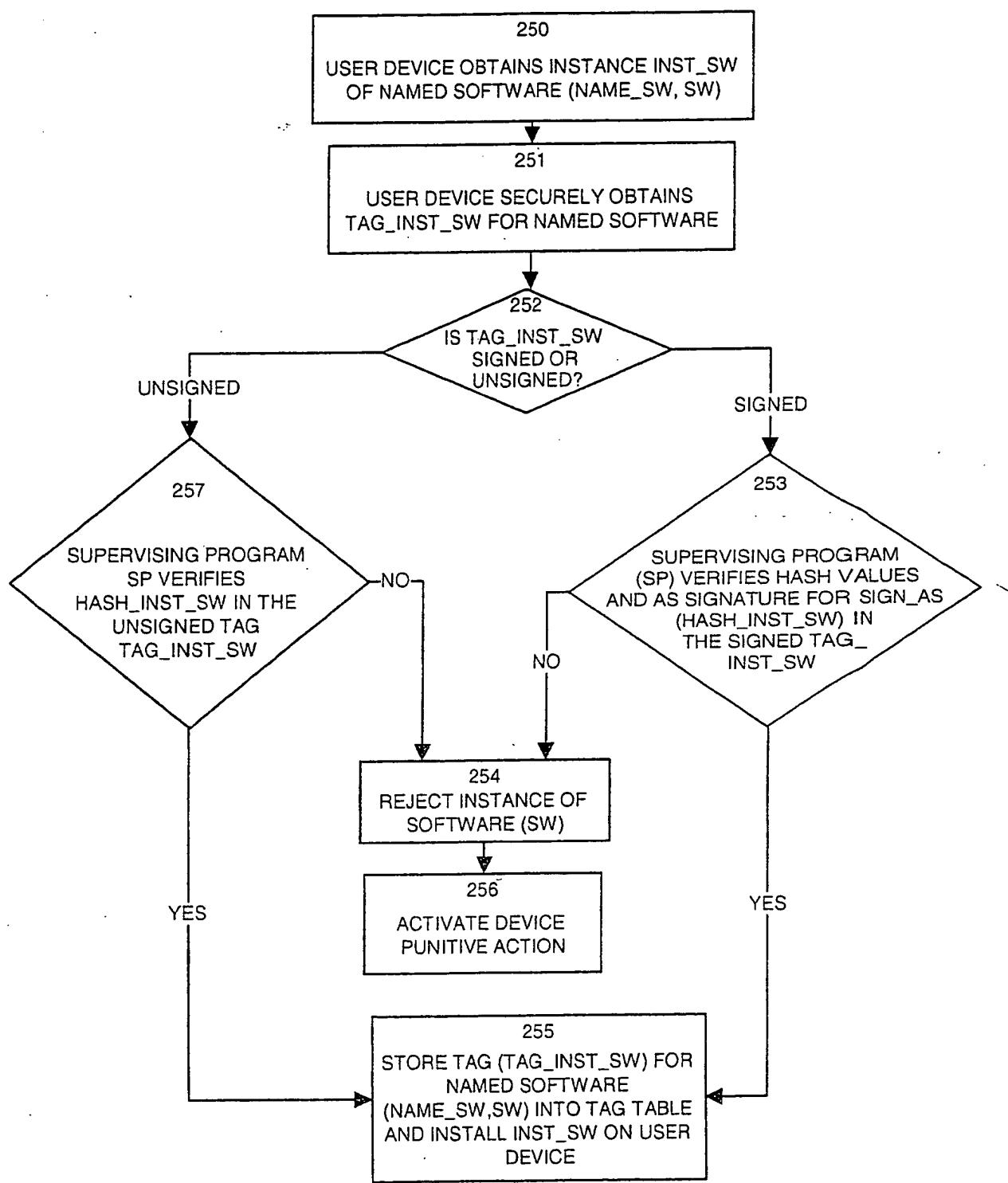
FIG. 3C

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FIG. 4



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INSTALLING TAGGED INSTANCE OF VENDOR  
SOFTWARE (SW) ON USER DEVICE

FIG. 5

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TAG TABLE

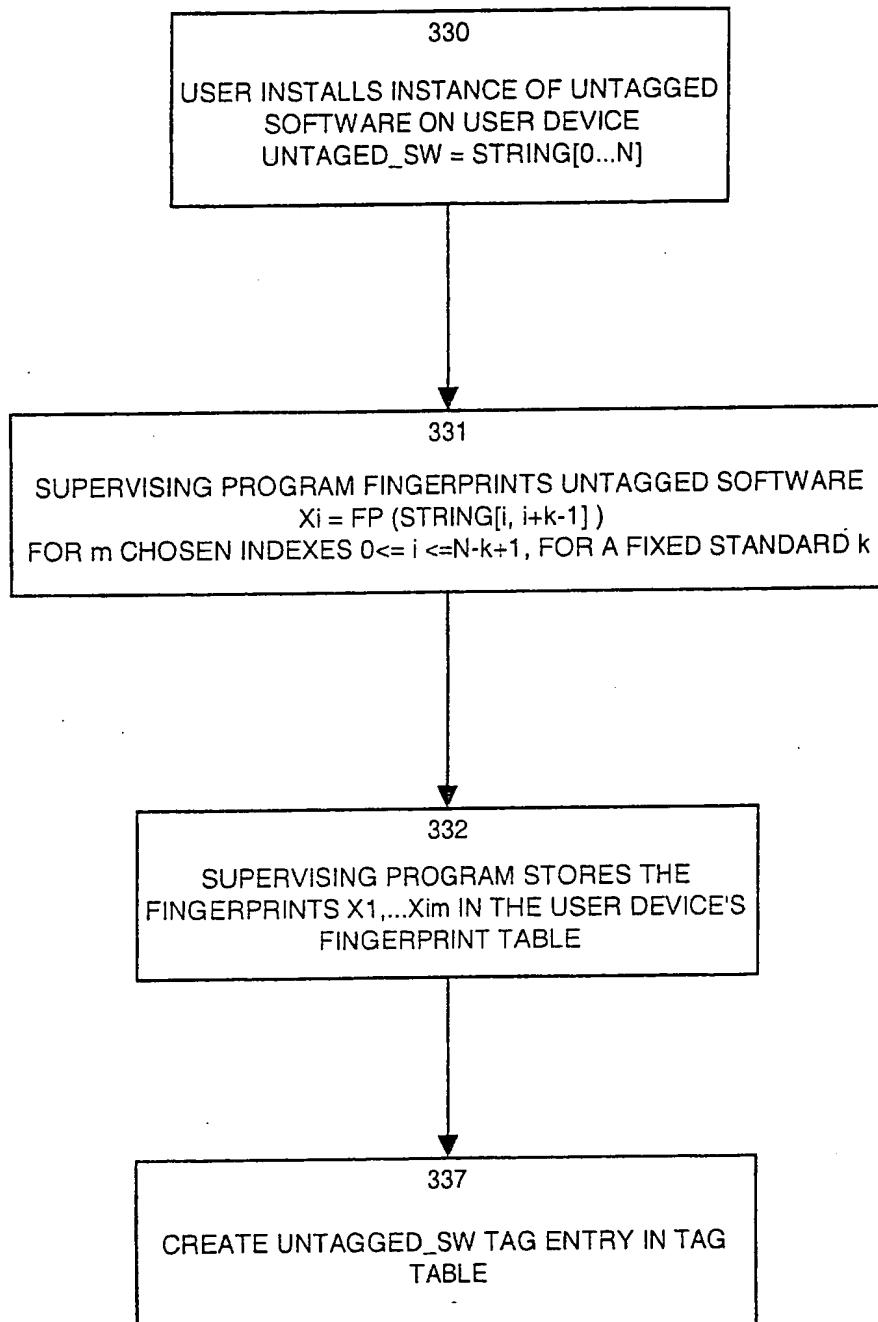
HEADER_TAG_TABLE=(ID_TAG_TABLE, LAST_GC_CM, LAST_CALLUP_TIME, NUMBER_DEVICE_BOOTUPS)					
TAGS	USAGE	STATUS	ACTION	RUN TIME	USE TIME
				RUN COUNT	
TAG_INST_SW1	CONTINUED			10	00:58
TAG_INST_SW2	INSTALLED REMOVED	11/24/98 21:36 11/26/98 09:31		3	00:11
TAG_INST_SW3	GC_DISABLED	11/22/98 11:02		0	00:00
TAG_INST_SW4	CONTINUED	11/25/98 14:17		4	10:34
UNTAGGED_SW1	UNTAGGED	11/25/98 14:17		0	00:00

NOTE: ID\_TAG\_TABLE = (ID(USER)\*, ID(DEVICE)\*, ID(PP)\*, ID(OS)\*)

\* MAY OR MAY NOT BE AVAILABLE

FIG. 6

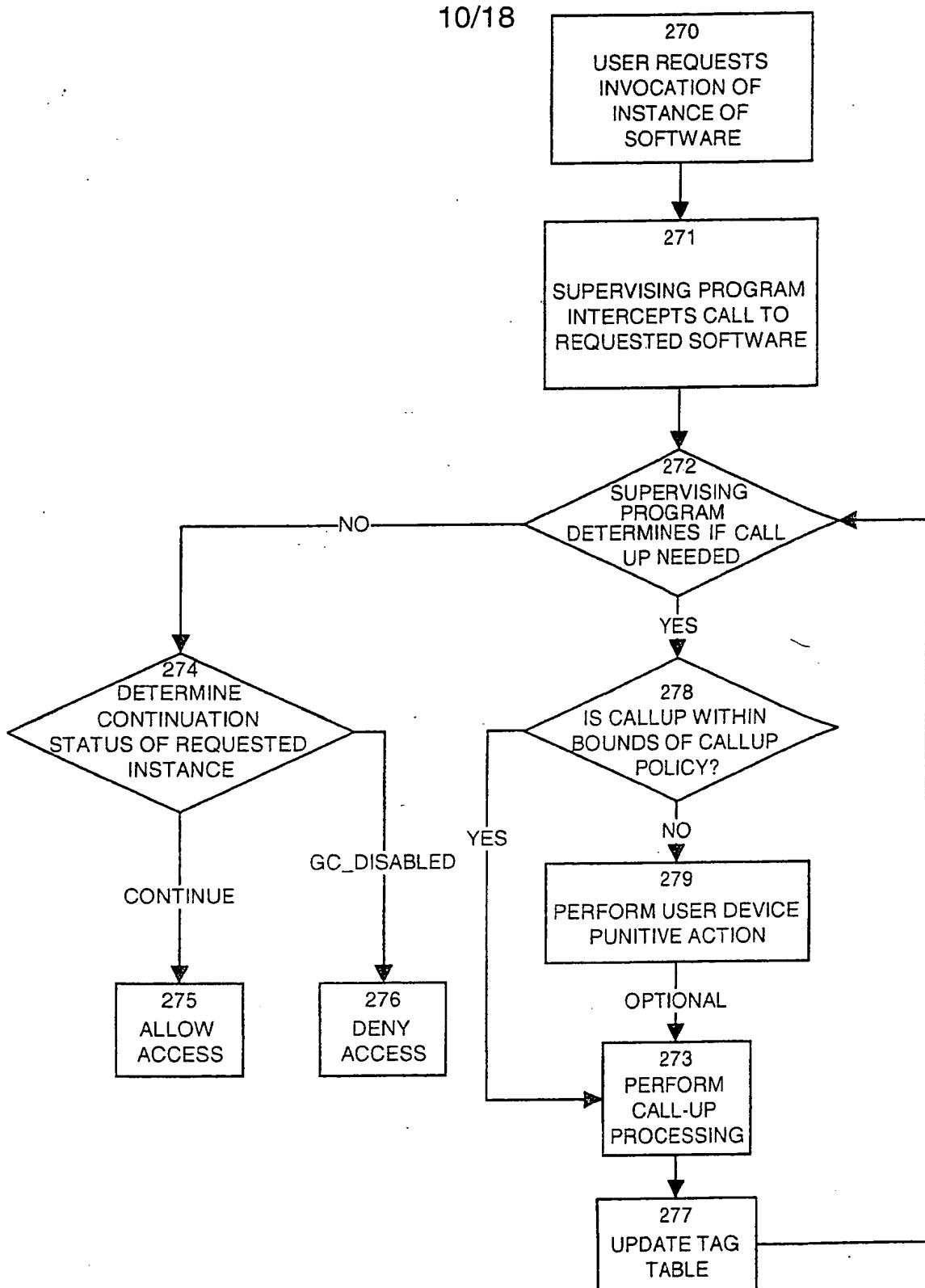
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INSTALLING UNTAGGED SOFTWARE (UNTAGGED\_SW) ON USER DEVICE

FIG. 7

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USAGE SUPERVISION PROCESSING

FIG. 8

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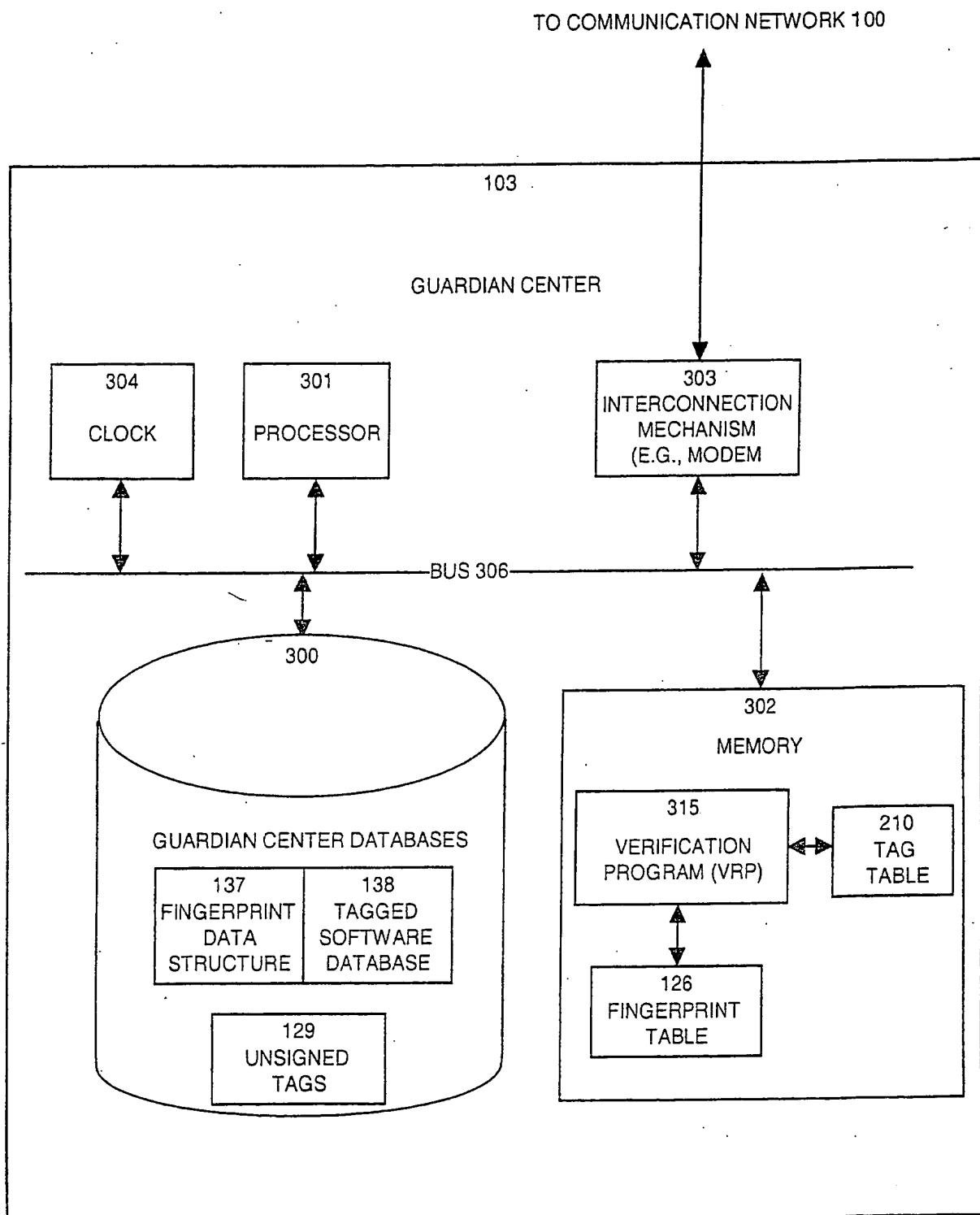


FIG. 9

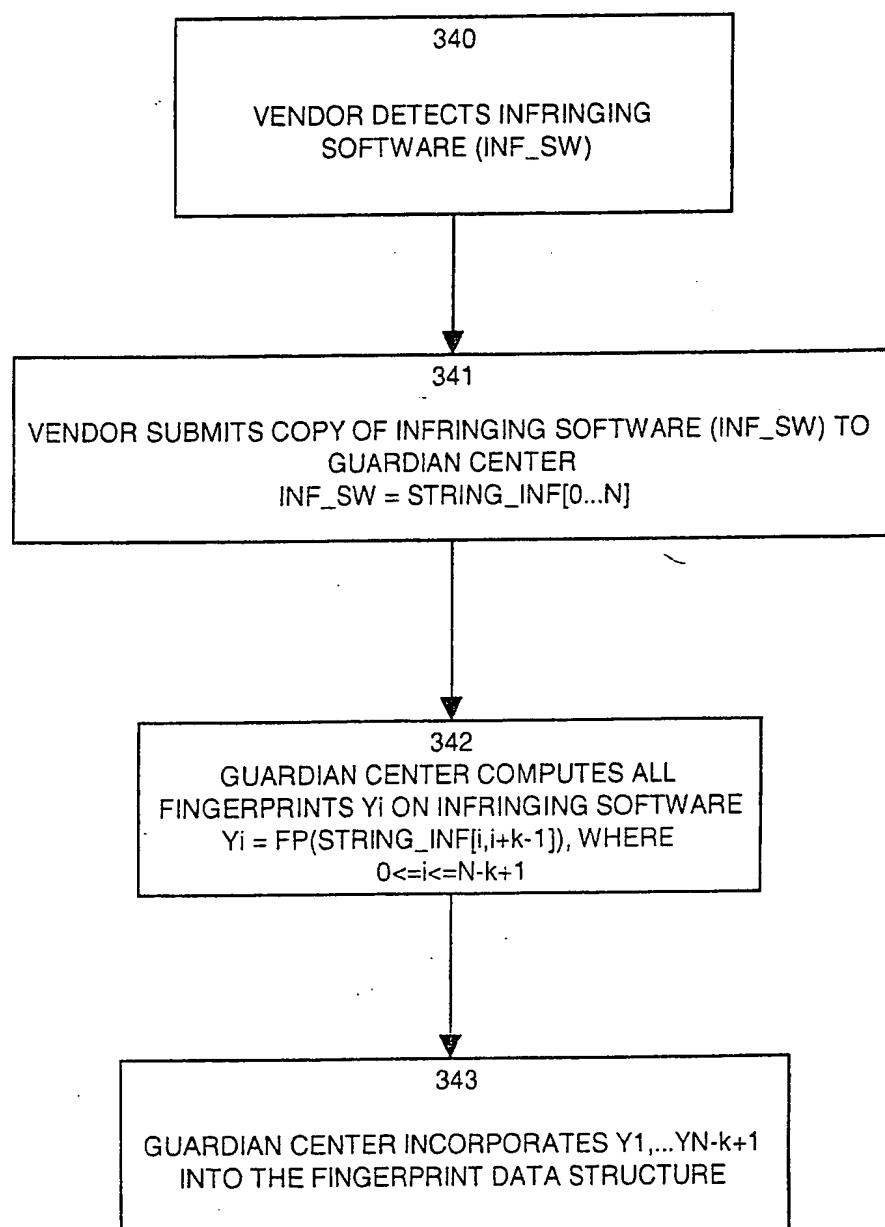
320 (NUM\_INST\_SW, TAG\_INST\_SW, NAME\_SW, HASH\_SW), POLICY(TAG\_INST\_SW),  
321      POINTER TO SPARSE\_SET(SW) --> CALLUP\_RECORD1--> CALLUP\_RECORD2-->  
322      CALLUP\_RECORD3 --> ...

321 CALLUP\_RECORD-N = (CALLUP\_TIME, HEADER\_TAG\_TABLE OF CALLING DEVICE,  
322      LAST\_CALLUP\_TIME FROM DEVICE, HASH(TAG\_TABLE), ACTIONS)

## GUARDIAN CENTER DATA

FIG. 10

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GUARDIAN CENTER MADE AWARE OF INFRINGING SOFTWARE

FIG. 11

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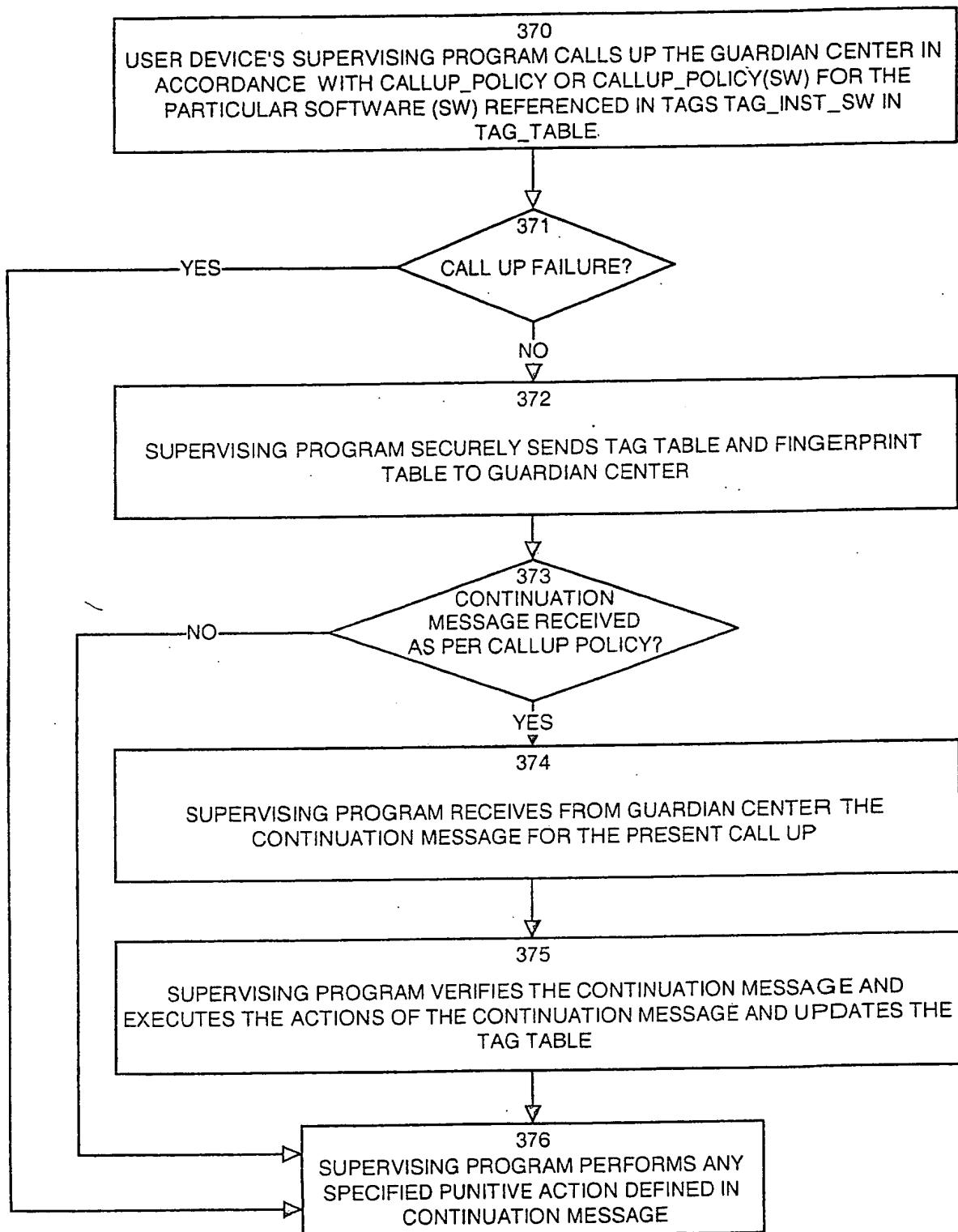


FIG. 12

CALL UP OF GUARDIAN CENTER FROM USER DEVICE

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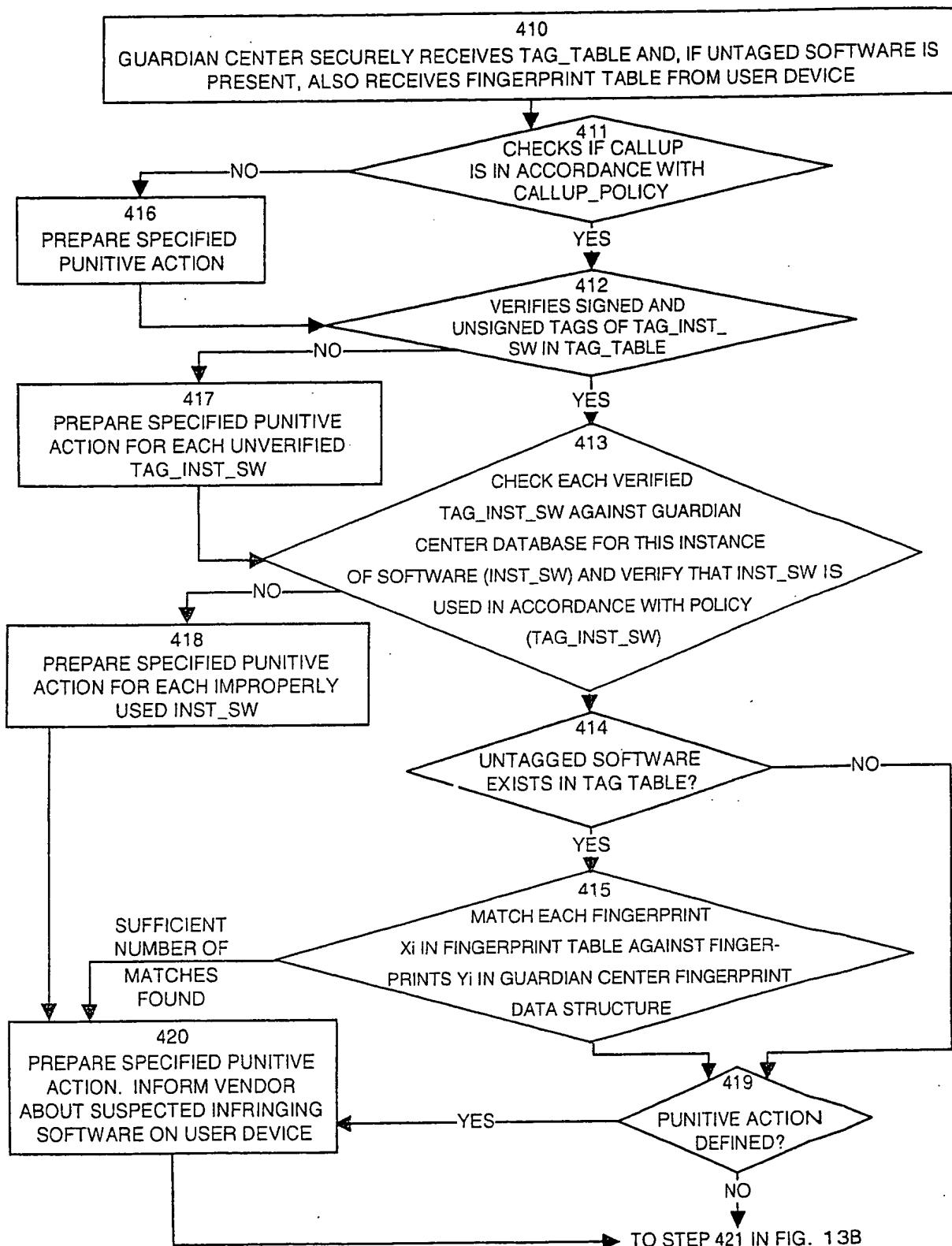
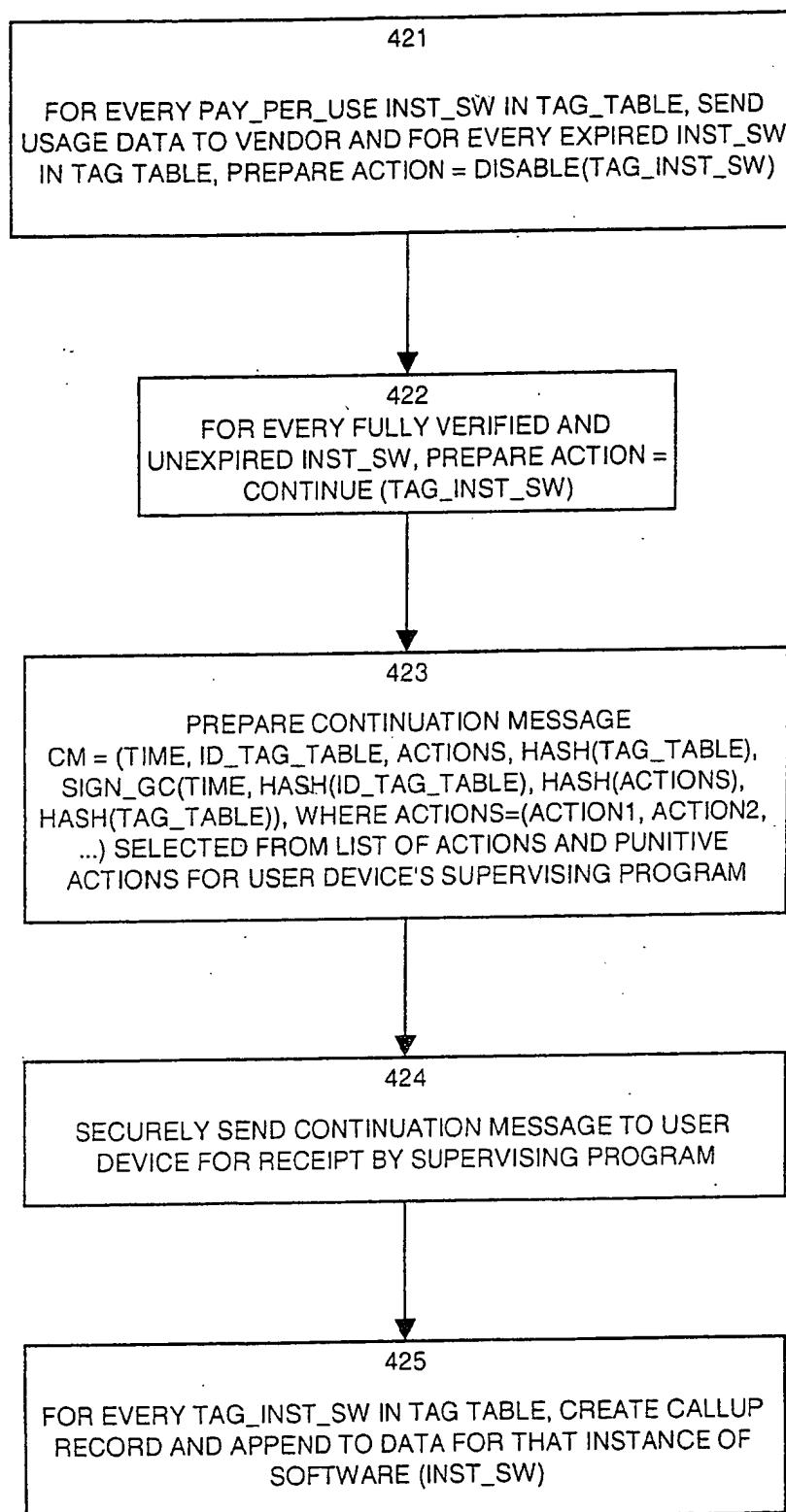


FIG. 13A

GUARDIAN CENTER CALLUP PROCESSING

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GUARDIAN CENTER CALLUP PROCESSING

FIG. 13B

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600
ID_TAG_TABLE, TAG_INST_SW, TIME_OF_LAST_ACCESS, HASH(ID_TAG_TABLE, TAG_INST_SW, TIME_OF_LAST_ACCESS)

DATA TRANSFERRED WITH SHARED SOFTWARE DATA

TAG	ACCESS TIMES
TAG_INST_SW1	FEBRUARY 2, 1999 09:11 AM, DECEMBER 2, 1999 07:24 AM, FEBRUARY 1, 1999 09:36 PM, FEBRUARY 2, 1999 011:17 AM...
TAG_INST_SW2	JANUARY 5, 1999 10:19 PM, FEBRUARY 8, 1999 08:34 AM, FEBRUARY 5, 1999 01:33 PM...
TAG_INST_SW3	JANUARY 12, 1999 06:41 AM

SHARED SOFTWARE DATA SSD ACCESS TABLE

FIG. 14

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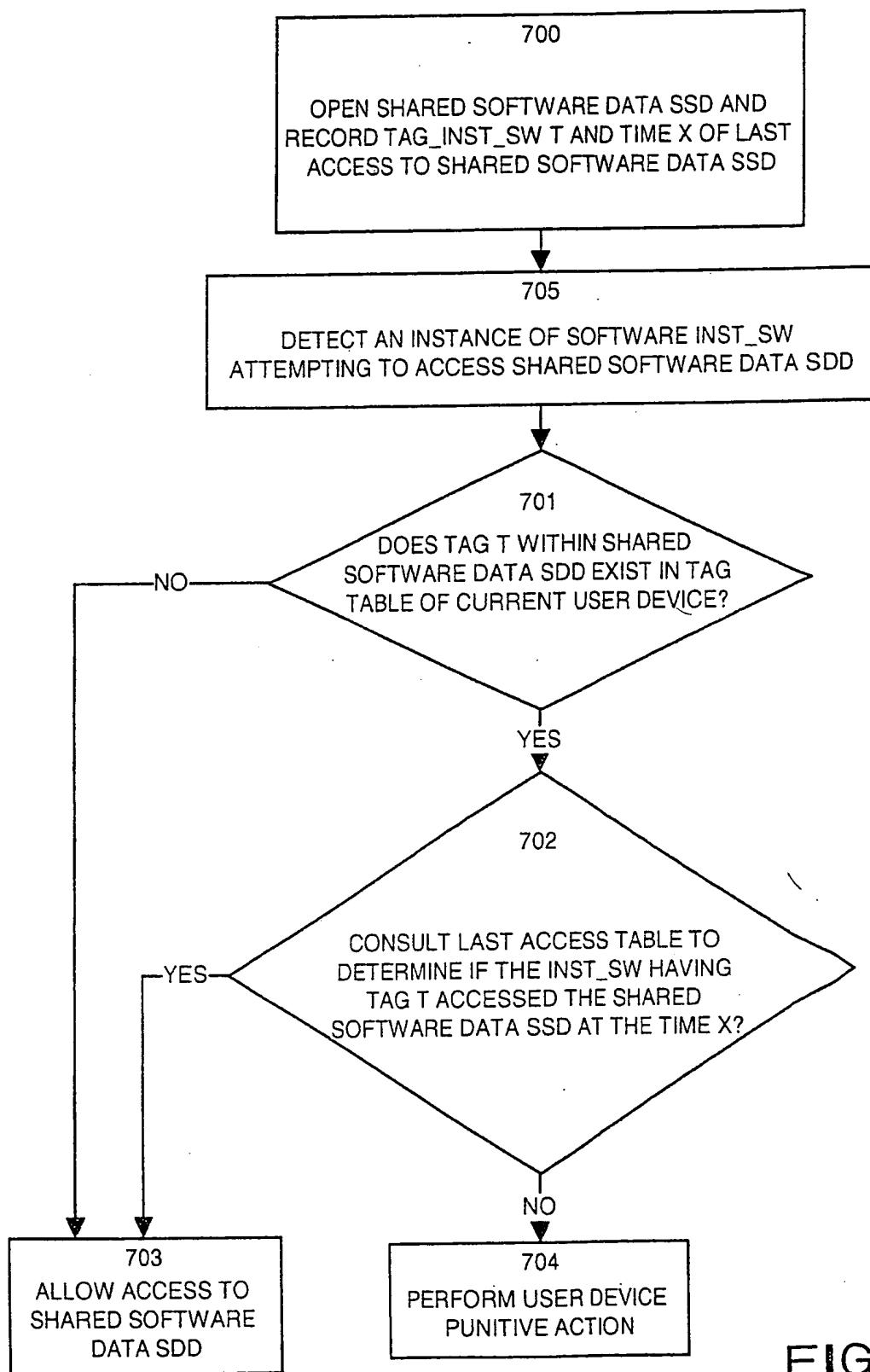


FIG. 15